

SEQUENCE LISTING

<110> Nelsestuen, Gary L.

<120> MODIFIED VITAMIN K-DEPENDENT
POLYPEPTIDES

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<140> 08/955,636

<141> 1997-10-23

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<212> PRT

<213> Homo sapiens

<220>

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<222> (0)...(0)

<223> Xaa=gamma carboxyglutamic acid or glutamic acid

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Ala Asn Ser Phe Leu Xaa Xaa Leu Arg His Ser Ser Leu Xaa Arg Xaa
1 5 10 15
Cys Ile Xaa Xaa Ile Cys Asp Phe Xaa Xaa Ala Lys Xaa Ile Phe Gln
20 25 30
Asn Val Asp Asp Thr Leu Ala Phe Trp Ser Lys His
35 40

<210> 2

<211> 44

<212> PRT

<213> Bos taurus

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<223> Xaa=gamma carboxyglutamic acid or glutamic acid

<400> 2

Ala Asn Ser Phe Leu Xaa Xaa Leu Arg Pro Gly Asn Val Xaa Arg Xaa
1 5 10 15
Cys Ser Xaa Xaa Val Cys Xaa Phe Xaa Xaa Ala Arg Xaa Ile Phe Gln
20 25 30
Asn Thr Xaa Asp Thr Met Ala Phe Trp Ser Phe Tyr

35

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<400> 3

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| Ala | Asn | Ala | Phe | Leu | Xaa | Xaa | Leu | Arg | Pro | Gly | Ser | Leu | Xaa | Arg | Xaa |
| 1 | | | | 5 | | | | | 10 | | | | | 15 | |
| Cys | Lys | Xaa | Xaa | Gln | Cys | Ser | Phe | Xaa | Xaa | Ala | Arg | Xaa | Ile | Phe | Lys |
| | | | 20 | | | | | 25 | | | | | 30 | | |
| Asp | Ala | Xaa | Arg | Thr | Lys | Leu | Phe | Trp | Ile | Ser | Tyr | | | | |
| | | 35 | | | | | 40 | | | | | | | | |

<210> 4

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<212> PRT

<213> Bos taurus

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<400> 4

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|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Ala | Asn | Gly | Phe | Leu | Xaa | Xaa | Leu | Arg | Pro | Gly | Ser | Leu | Xaa | Arg | Xaa |
| 1 | | | | 5 | | | | | 10 | | | | | 15 | |
| Cys | Arg | Xaa | Xaa | Leu | Cys | Ser | Phe | Xaa | Xaa | Ala | His | Xaa | Ile | Phe | Arg |
| | | | 20 | | | | | 25 | | | | | 30 | | |
| Asn | Xaa | Xaa | Arg | Thr | Arg | Gln | Phe | Trp | Val | Ser | Tyr | | | | |
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<213> Homo sapiens

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<400> 5

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| Tyr | Asn | Ser | Gly | Lys | Leu | Xaa | Xaa | Phe | Val | Gln | Gly | Asn | Leu | Xaa | Arg |
| 1 | | | | 5 | | | | | 10 | | | | | 15 | |
| Xaa | Cys | Met | Xaa | Xaa | Lys | Cys | Ser | Phe | Xaa | Xaa | Ala | Arg | Xaa | Val | Phe |
| | | | 20 | | | | | 25 | | | | | 30 | | |

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 35 40 45

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<400> 6
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 1 5 10 15
 Xaa Cys Met Xaa Xaa Lys Cys Ser Phe Xaa Xaa Ala Arg Xaa Val Phe
 20 25 30
 Xaa Asn Thr Xaa Lys Arg Thr Thr Xaa Phe Trp Lys Gln Tyr
 35 40 45

<210> 7
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 <212> DNA
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<220>
 <223> Protein C mutagenic oligonucleotide

<400> 7
 aaattaatac gactcactat agggagaccc aagctt

36

<210> 8
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<220>
 <223> Protein C mutagenic oligonucleotide

<400> 8
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<210> 9
 <211> 36
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Protein C mutagenic oligonucleotide

<400> 9
 acgctccag ttgccgtgcc gcagctcctc taggaa

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<210> 10
<211> 36
<212> DNA
<213> Artificial Sequence

<220>
<223> Protein C mutagenic oligonucleotide

<400> 10
ttcctagagg agctgcggca cggcaacgtg gagcgt

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<210> 11
<211> 36
<212> DNA
<213> Artificial Sequence

<220>
<223> Protein C mutagenic oligonucleotide

<400> 11
gcatttaggt gacactatag aatagggccc tctaga

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<210> 12
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<212> DNA
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<400> 12
gaaggccatt gtgtcttccg tgtcttcgaa aatctcccga gc

42

<210> 13
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<213> Artificial Sequence

<220>
<223> Protein C mutagenic oligonucleotide

<400> 13
cagtgtgtca tccacatctt cgaaaatttc cttggc

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<210> 14
<211> 36
<212> DNA
<213> Artificial Sequence

<220>
<223> Protein C mutagenic oligonucleotide

<400> 14
gcccaaggaaa ttttcgaaga tgtggatgac acactg

36

<210> 15
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<212> DNA
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<400> 15
cagtgtgtca tccacatttt cgaaaatttc cttggc

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<210> 16
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<220>
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<400> 16
gcccaaggaaa ttttcgaaaa tgtggatgac acactg

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<210> 17
<211> 45
<212> PRT
<213> Bos taurus

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<400> 17
Ala Asn Lys Gly Phe Leu Xaa Xaa Val Arg Lys Gly Asn Leu Xaa Arg
5 10 15
Xaa Cys Leu Xaa Xaa Pro Cys Ser Arg Xaa Xaa Ala Phe Xaa Ala Leu
20 25 30
Xaa Ser Leu Ser Ala Thr Asp Ala Phe Trp Ala Lys Tyr
35 40 45

<210> 18
<211> 44
<212> PRT
<213> Bos taurus

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<222> (0)...(0)
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<400> 18

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|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Ala | Asn | Ser | Phe | Leu | Xaa | Xaa | Val | Lys | Gln | Gly | Asn | Leu | Xaa | Arg | Xaa |
| 1 | | | 5 | | | | | 10 | | | | | | 15 | |
| Cys | Leu | Xaa | Xaa | Ala | Cys | Ser | Leu | Xaa | Xaa | Ala | Arg | Xaa | Val | Phe | Xaa |
| | | | 20 | | | | | 25 | | | | | | 30 | |
| Asp | Ala | Xaa | Gln | Thr | Asp | Xaa | Phe | Trp | Ser | Lys | Tyr | | | | |
| | | 35 | | | | | 40 | | | | | | | | |

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